

### May 20, 2021 Council Budget Session

## Stormwater Program Handouts:

- ❖ SWAB Approved Drainage Assistance Program Sites
- Completed Stormwater Capital Improvement Projects List
- ❖ Active Stormwater Projects List
- Completed Stormwater Projects Map
- ❖ Active Stormwater Projects Map
- ❖ Stormwater Watershed Master Plan Sub-Basins



# SWAB Approved Drainage Assistance Program Sites

Project Name	Council District	Status			
Abercarn Way 6366	1	Project Complete			
Abercarn Way 6367	1	Project Complete			
Falkland Ct 6217	1	Project Complete - Work within the ROW			
Iverleigh Cir 6004	1	Project Complete			
Royston Ct 404	1	Owner Elected Not to Participate in the Program			
Derose Dr 415	1	In Progress by City Staff (Engineering, Survey, Legal, Real Estate, Other)			
Daytona Dr 4005/4007	1	In Progress by City Staff (Engineering, Survey, Legal, Real Estate, Other)			
Project Name	Council District	Status			
Appomattox Ct. / Ames St.	2	Not Eligible			
Forest Hills Dr & Mulberry St	2	Project Complete - Work within the ROW			
Rolling Hill Rd 2357	2	Project Complete			
Varrene Dr 3224	2	Located in Prioritized sub-basin being studied through WS Master Plan			
Wright St 316	2	Project Complete			
Coffman St 2218	2	In Progress by City Staff (Engineering, Survey, Legal, Real Estate, Other)			
Project Name	Council District	Status			
Greyfield Rd 6318	3	Project Complete			
Halifax Dr 405	3	In Progress by City Staff (Engineering, Survey, Legal, Real Estate, Other)			
Halifax Dr 406	3	Project Complete			
Halifax Dr 508	3	Owner Elected Not to Participate in the Program			
McArthur Rd 1008	3	In Progress by City Staff (Engineering, Survey, Legal, Real Estate, Other)			
McLamb Dr 703	3	Project Complete			



3	Owner Elected Not to Participate in the Program		
3	Owner Elected Not to Participate in the Program		
3	Owner Elected Not to Participate in the Program		
Council District	Status		
4	Owner Elected Not to Participate in the Program		
4	Owner Elected Not to Participate in the Program		
4	Project Complete - Work within the ROW		
4	Not Eligible		
Council District	Status		
5	Under Construction		
5	Located in Prioritized sub-basin being studied through WS Master Plan		
5	Not Eligible		
5	Project Complete - Work within the ROW		
5	Project Complete - Work within the ROW		
5	Project Complete - CCTV showed no damage to pipe		
5	Owner Elected Not to Participate in the Program		
5	Project Complete		
5	Project Complete - Work within City Easement		
5	In Progress by City Staff (Engineering, Survey, Legal, Real Estate, Other)		
5	In Progress by City Staff (Engineering, Survey, Legal, Real Estate, Other)		
5	In Progress by City Staff (Engineering, Survey, Legal, Real Estate, Other)		
Council District	t Status		
6	Owner Elected Not to Participate in the Program		
	3 3  Council District  4 4 4 4 4  Council District  5 5 5 5 5 5 5 5 5 5 5 5 5 Council District		



Lake Trail Dr 6013	6	Project Complete			
Lakehaven Dr 6199	6	Owner Elected Not to Participate in the Program			
Lakehurst Dr 4913	6	Owner Elected Not to Participate in the Program			
Natchez Loop 1719	6	Project Complete			
Oakview Dr & Coleridge Dr	6	Project Complete - Work within the ROW			
Quietwood Place 5554	6	Project Complete			
Shagbark Rd 5214	6	Not Eligible			
Stanton St 2253	6	Owner Elected Not to Participate in the Program			
Paisley Ave 1834	6	In Progress by City Staff (Engineering, Survey, Legal, Real Estate, Other)			
Westbranch Dr 5650	6	In Progress by City Staff (Engineering, Survey, Legal, Real Estate, Other)			
Rolling Meadows Ln 6400	6	Project Complete			
Project Name	Council District	Status			
0 1 5 0=00	_	Project Complete - CCTV showed no damage to pipe			
Gooden Dr 9708	7	Project Complete - CCTV showed no damage to pipe			
Gooden Dr 9708 Kimbrook Dr 6105	7	Project Complete - CCTV showed no damage to pipe Project Complete			
	7 7 7	, 1			
Kimbrook Dr 6105	·	Project Complete			
Kimbrook Dr 6105 Leona Ave 118	7	Project Complete Project Complete			
Kimbrook Dr 6105 Leona Ave 118 Patrick Dr 1223	7 7	Project Complete Project Complete Project Complete			
Kimbrook Dr 6105 Leona Ave 118 Patrick Dr 1223 Quailwood Dr 1125	7 7	Project Complete Project Complete Project Complete Project Complete Project Complete - Work within the ROW			
Kimbrook Dr 6105 Leona Ave 118 Patrick Dr 1223 Quailwood Dr 1125 Rembrandt Dr 741-743	7 7 7 7	Project Complete Project Complete Project Complete Project Complete Project Complete - Work within the ROW In Progress by City Staff (Engineering, Survey, Legal, Real Estate, Other)			
Kimbrook Dr 6105 Leona Ave 118 Patrick Dr 1223 Quailwood Dr 1125 Rembrandt Dr 741-743	7 7 7 7	Project Complete Project Complete Project Complete Project Complete Project Complete - Work within the ROW In Progress by City Staff (Engineering, Survey, Legal, Real Estate, Other)			
Kimbrook Dr 6105 Leona Ave 118 Patrick Dr 1223 Quailwood Dr 1125 Rembrandt Dr 741-743 Saltwell Place 1330	7 7 7 7 7	Project Complete Project Complete Project Complete Project Complete - Work within the ROW In Progress by City Staff (Engineering, Survey, Legal, Real Estate, Other) Project Complete			
Kimbrook Dr 6105 Leona Ave 118 Patrick Dr 1223 Quailwood Dr 1125 Rembrandt Dr 741-743 Saltwell Place 1330  Project Name	7 7 7 7 7 Council District	Project Complete Project Complete Project Complete Project Complete - Work within the ROW In Progress by City Staff (Engineering, Survey, Legal, Real Estate, Other) Project Complete  Status			
Kimbrook Dr 6105 Leona Ave 118 Patrick Dr 1223 Quailwood Dr 1125 Rembrandt Dr 741-743 Saltwell Place 1330  Project Name Brookshire St 6607	7 7 7 7 7 7 <b>Council District</b> 8	Project Complete Project Complete Project Complete Project Complete - Work within the ROW In Progress by City Staff (Engineering, Survey, Legal, Real Estate, Other) Project Complete  Status Project Complete			



Project Name	Council District	Status	
Murray Fork Dr 308	9	Project Complete	
Ryan St 7421 - 74172	9	Not Eligible	
Waters Edge Drive 5831	9	Project Complete	
Waxhaw Drive 218	9	Owner Elected Not to Participate in the Program	
Livermore Dr 261	9	In Progress by City Staff (Engineering, Survey, Legal, Real Estate, Other)	
Murray Fork 255	9	In Progress by City Staff (Engineering, Survey, Legal, Real Estate, Other)	
Shelby Cir 7206	9	In Progress by City Staff (Engineering, Survey, Legal, Real Estate, Other)	



## Completed Stormwater Capital Improvement Projects

#	Project Name	Year	Council District	Cost
40	Anson Pond Culvert	2012	1	\$322,791.35
53	Carroll Ave Spot Repair	2017	1	\$54,263.42
80	Shoreline Dr Culvert	2019	1	\$830,504.43
81	Liberty Hills Subdivision Drainage	2019	1	\$740,969.79
82	Shadowcroft Rd Culvert Repair	2019	1	\$940,818.00
84	Rampart Dr Spot Repair	2020	1	\$40,000.00
#	Project Name	Year	Council District	Cost
1	Camden Rd & Woodsdale Drainage	2009	2	-
2	Currie St & Ellis St Drainage	2009	2	-
3	Eutaw Shopping Center Repair	2009	2	-
5	Hillside Ave Spot Repair	2009	2	-
10	Filter Plant Dr Drainage	2009	2	-
11	Hyde Place	2009	2	-
17	Murchison Rd & Cumberland St Drainage	2010	2	-
21	Chicago Dr Pipe Replacement	2010	2	-
22	Coffman St Storm Drainage	2010	2	-
26	Lyon Rd & Rogers Dr Drainage	2011	2	\$150,006.05
28	Norwood/Ancon Drainage	2011	2	\$67,421.31
50	Lyon Rd Spot Repair	2016	2	\$34,187.20
58	Ijams Rd Spot Repair	2017	2	\$2,198.00
60	North St Spot Repair	2017	2	\$158,108.00
61	Person St Innovative Drainage	2017	2	\$581,813.20
63	Chester Cir Spot Repair	2018	2	\$6,210.16
71	Emergency Repair at McGilvary St	2018	2	\$247,108.21
72	Market House Square Drainage	2018	2	\$254,074.83
73	N Cool Spring St Bridge Repair	2018	2	\$2,366,028.00
75	Forest Lake Spot Repair	2019	2	\$182,049.00
79	Spruce St Phase II Drainage	2019	2	\$509,881.01
85	Rankin St Spot Repair	2020	2	\$261,000.00
#	Project Name	Year	Council District	Cost
8	Galloway Dr Drainage	2009	3	-
9	Braddock Dr Drainage	2009	3	-
13	Swainey Ave Drainage	2010	3	-



25	Lancaster Road	2010	3	-
33	Cottonade Drainage	2012	3	\$471,676.50
59	Landau Rd Spot Repair	2017	3	\$75,871.15
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#	Project Name	Year	Council District	Cost
27	Summerhill Drainage	2011	4	\$1,053,818.02
29	Godfrey Outfall Phase I Drainage	2012	4	\$192,706.02
31	Seabrook Drainage Phase I Drainage	2012	4	\$375,440.59
34	Annexation 8 Drainage	2012	4	\$133,293.63
46	Seabrook Drainage Phase II	2013	4	\$65,365.90
55	Dandridge Dr Spot Repair	2017	4	\$11,376.44
56	Delliert Ct Spot Repair	2017	4	\$17,212.83
65	Rock Canyon Dr Spot Repair	2018	4	\$16,185.56
66	Bonnie Doone West Drainage	2018	4	\$527,394.01
68	Bonnie Doone Area 12 Drainage	Doone Area 12 Drainage 2018 4		\$127,894.53
69	Godfrey Outfall Phase II Drainage	2018	4	\$689,623.27
78	Yadkin Rd Drainage	2019	4	\$4,093,744.52
#	Project Name	Year	Council District	Cost
12	Skye Drive	2010	5	-
18	Redwood Dr & Boros Dr Drainage	2010	5	-
20	Stonebrook Outfall Improvements	2010	5	-
23	E Park Dr Gabions & Renovation	2010	5	-
30	Lockwood & Ravenhill Drainage	2012	5	\$216,454.01
32	Lafayette Village Drainage	2012	5	\$2,359,199.47
41	D ( 1E; D; C;			\$2,339,139.47
	Raeford Faison Drainage System	2012	5	\$836,024.53
44	McNeill Circle Drainage	2012 2013	5 5	\$836,024.53 \$1,917,162.11
44 45	McNeill Circle Drainage North Edgewater Dr Drainage		5	\$836,024.53
	McNeill Circle Drainage North Edgewater Dr Drainage Murray Hill Rd Culvert	2013	5 5	\$836,024.53 \$1,917,162.11
45	McNeill Circle Drainage North Edgewater Dr Drainage Murray Hill Rd Culvert Buckhead Kingsford Drainage	2013 2013	5 5 5	\$836,024.53 \$1,917,162.11 \$51,909.03 \$574,043.67 \$1,726,841.01
45 47	McNeill Circle Drainage North Edgewater Dr Drainage Murray Hill Rd Culvert Buckhead Kingsford Drainage Friendly Rd Spot Repair	2013 2013 2013	5 5 5 5	\$836,024.53 \$1,917,162.11 \$51,909.03 \$574,043.67 \$1,726,841.01 \$6,740.11
45 47 52 57 64	McNeill Circle Drainage North Edgewater Dr Drainage Murray Hill Rd Culvert Buckhead Kingsford Drainage Friendly Rd Spot Repair Devane St Spot Repair	2013 2013 2013 2016 2017 2018	5 5 5 5 5 5 5	\$836,024.53 \$1,917,162.11 \$51,909.03 \$574,043.67 \$1,726,841.01 \$6,740.11 \$17,765.35
45 47 52 57 64 67	McNeill Circle Drainage North Edgewater Dr Drainage Murray Hill Rd Culvert Buckhead Kingsford Drainage Friendly Rd Spot Repair Devane St Spot Repair Coventry Rd Culvert Stream Imp.	2013 2013 2013 2016 2017	5 5 5 5 5 5	\$836,024.53 \$1,917,162.11 \$51,909.03 \$574,043.67 \$1,726,841.01 \$6,740.11 \$17,765.35 \$1,385,306.29
45 47 52 57 64 67 70	McNeill Circle Drainage North Edgewater Dr Drainage Murray Hill Rd Culvert Buckhead Kingsford Drainage Friendly Rd Spot Repair Devane St Spot Repair Coventry Rd Culvert Stream Imp. Ferncreek Norwood Drainage	2013 2013 2013 2016 2017 2018 2018 2018	5 5 5 5 5 5 5 5 5	\$836,024.53 \$1,917,162.11 \$51,909.03 \$574,043.67 \$1,726,841.01 \$6,740.11 \$17,765.35 \$1,385,306.29 \$88,114.48
45 47 52 57 64 67 70	McNeill Circle Drainage North Edgewater Dr Drainage Murray Hill Rd Culvert Buckhead Kingsford Drainage Friendly Rd Spot Repair Devane St Spot Repair Coventry Rd Culvert Stream Imp. Ferncreek Norwood Drainage Martindale Dr Spot Repair	2013 2013 2013 2016 2017 2018 2018 2018 2019	5 5 5 5 5 5 5 5	\$836,024.53 \$1,917,162.11 \$51,909.03 \$574,043.67 \$1,726,841.01 \$6,740.11 \$17,765.35 \$1,385,306.29 \$88,114.48 \$101,535.00
45 47 52 57 64 67 70	McNeill Circle Drainage North Edgewater Dr Drainage Murray Hill Rd Culvert Buckhead Kingsford Drainage Friendly Rd Spot Repair Devane St Spot Repair Coventry Rd Culvert Stream Imp. Ferncreek Norwood Drainage	2013 2013 2013 2016 2017 2018 2018 2018	5 5 5 5 5 5 5 5 5	\$836,024.53 \$1,917,162.11 \$51,909.03 \$574,043.67 \$1,726,841.01 \$6,740.11 \$17,765.35 \$1,385,306.29 \$88,114.48
45 47 52 57 64 67 70 76 83	McNeill Circle Drainage North Edgewater Dr Drainage Murray Hill Rd Culvert Buckhead Kingsford Drainage Friendly Rd Spot Repair Devane St Spot Repair Coventry Rd Culvert Stream Imp. Ferncreek Norwood Drainage Martindale Dr Spot Repair Mirror Lake Dam Repair	2013 2013 2013 2016 2017 2018 2018 2018 2019 2020	5 5 5 5 5 5 5 5 5 5 5	\$836,024.53 \$1,917,162.11 \$51,909.03 \$574,043.67 \$1,726,841.01 \$6,740.11 \$17,765.35 \$1,385,306.29 \$88,114.48 \$101,535.00 \$5,238,861.00
45 47 52 57 64 67 70	McNeill Circle Drainage North Edgewater Dr Drainage Murray Hill Rd Culvert Buckhead Kingsford Drainage Friendly Rd Spot Repair Devane St Spot Repair Coventry Rd Culvert Stream Imp. Ferncreek Norwood Drainage Martindale Dr Spot Repair	2013 2013 2013 2016 2017 2018 2018 2018 2019	5 5 5 5 5 5 5 5 5 5	\$836,024.53 \$1,917,162.11 \$51,909.03 \$574,043.67 \$1,726,841.01 \$6,740.11 \$17,765.35 \$1,385,306.29 \$88,114.48 \$101,535.00



37	Annexation 11 Rutherglen/Rhemish	2012	6	\$93,872.44
	Drainage			
39	Annexation 13 Drainage	2012	6	\$383,247.22
48	Annexation Area 12 Drainage	2014	6	\$564,335.63
49	Annexation Area 14 Drainage	2014	6	\$313,852.87
51	Talus Rd Spot Repair	2016	6	\$63,782.00
74	Blackfriars Spot Repair	2019	6	\$2,019.00
#	Project Name	Year	Council District	Cost
4	Greenock Ave Drainage	2009	7	-
7	Conaway Dr Drainage	2009	7	-
14	Conestoga Dr Drainage	2010	7	-
15	Little Dr Drainage	2010	7	-
16	Media Dr Drainage	2010	7	-
19	Remington Rd Drainage	2010	7	-
35	Annexation 10 East Drainage	2012	7	\$674,559.05
38	Annexation 11 South Arran Hills/Park Drainage	2012	7	\$180,249.92
77	Norton Dr Spot Repair	2019	7	\$106,453.00
86	Carnsmore Spot Repair	2021	7	\$145,000.00
#	Project Name	Year	Council District	Cost
6	Kerrow Rd Hoke Loop Drainage	2009	8	-
43	James Creek at Trayburn Drainage	2012	8	\$49,755.77
#	Project Name	Year	Council District	Cost
24	Laguna Drive	2010	9	
42	Montclair Drainage System	2012	9	\$257,980.67
54	Cheshire Ct Spot Repair	2017	9	\$42,859.00
62	Offing Dr Drainage	2017	9	\$938,323.00



### **Active Stormwater Projects**

#	Project Name	Funding Source	Council District	Cost
1A	Cross Creek Embankment Failure	FEMA	2	\$7,457,679
2A	Spruce St Phase 3	Stormwater Utility	2	\$341,000
3A	North St Drainage Improvements	Stormwater Utility	2	\$3,860,000
4A	Neville St Drainage Improvements	FEMA & Stormwater Utility	2	\$1,673,000
5A	Greenock Ave	FEMA	6	\$900,000
6 <b>A</b>	Devonwood Lower Dam	FEMA	9	\$3,279,200
7A	Bragg Blvd Flea Market	NRCS	9	\$377,500
8A	Heritage Asst Living/First Presb Church	NRCS	2	\$1,120,000
9A	Beaver Law Firm	NRCS	2	\$930,500
10A	Lock's Creek Stream Assessment & Debris Removal	NCDA&CS	2	\$446,234
11A	Sunbury Dr Drainage Improvements	Stormwater Utility	3	\$3,602,000
12A	Ray Avenue	Stormwater Utility	2	\$733,200





